

ANNEX III

95/2/EC

CONDITIONALLY PERMITTED PRESERVATIVES AND ANTIOXIDANTS

PART A

Sorbates, benzoates and p-hydroxybenzoates

E No	Name	Abbreviation
E 200	Sorbic acid	Sa
E 202	Potassium sorbate	
E 203	Calcium sorbate	
E 210	Benzoic acid	Ba ⁽¹⁾
E 211	Sodium benzoate	
E 212	Potassium benzoate	
E 213	Calcium benzoate	
E 214	Ethyl-p-hydroxybenzoate	PHB
E 215	Sodium ethyl p-hydroxybenzoate	
E 216	Propyl p-hydroxybenzoate	
E 217	Sodium propyl p-hydroxybenzoate	
E 218	Methyl p-hydroxybenzoate	
E 219	Sodium methyl p-hydroxybenzoate	

⁽¹⁾ Benzoic acid may be present in certain fermented products resulting from the fermentation process following good manufacturing practice.

Note

- The levels of all substances mentioned above are expressed as the free acid.
- The abbreviations used in the table mean the following:
 - Sa + Ba: Sa and Ba used singly or in combination
 - Sa + PHB: Sa and PHB used singly or in combination
 - Sa + Ba + PHB: Sa, Ba and PHB used singly or in combination.
- The maximum levels of use indicated refer to foodstuffs ready for consumption prepared following manufacturers' instructions.

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Foodstuff	Maximum level (mg/kg or mg/l as appropriate)					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + PHB
Wine-based flavoured drinks including products covered by Regulation (EEC) No 1601/91	200					
Non-alcoholic flavoured drinks ⁽¹⁾	300	150		250 Sa + 150 Ba		
Liquid tea concentrates and liquid fruit and herbal infusion concentrates				600		
Grape juice, unfermented, for sacramental use				2 000		
Wines as referred to in Regulation (EEC) No 822/87 ⁽²⁾ ; alcohol-free wine; fruit wine (including alcohol-free); <i>Made wine</i> ; cider and perry (including alcohol-free)	200					
<i>Sød . . . Saft</i> or <i>sødet . . . Saft</i>	500	200				
Alcohol-free beer in keg		200				
Mead	200					
Spirits with less than 15 % alcohol by volume	200	200		400		
Fillings of ravioli and similar products	1 000					
Low-sugar jams, jellies, marmalades and similar low calorie or sugar-free products and other fruit-based spreads <i>Mermeladas</i>		500		1 000		
Candied, crystallized and glacé fruit and vegetables				1 000		
Dried fruit	1 000					
<i>Frugtgrod</i> and <i>Rote Grütze</i>	1 000	500				
Fruit and vegetable preparations including fruit-based sauces, excluding purée, mousse, compote, salads and similar products, canned or bottled	1 000					

⁽¹⁾ This entry does not include dairy-based drinks.

⁽²⁾ OJ No L 84, 27. 3. 1987, p. 1.

Foodstuff	Maximum level (mg/kg or mg/l as appropriate)						95/2/EC
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + PHB	
Vegetables in vinegar, brine or oil (excluding olives)				2 000			95/2/EC
Potato dough and pre-fried potato slices	2 000						
<i>Gnocchi</i>	1 000						
<i>Polenta</i>	200						
Olives and olive-based preparations	1 000	500		1 000			98/72/EC
Jelly coatings of meat products (cooked, cured or dried); Pâté					1 000		95/2/EC
Surface treatment of dried meat products						<i>quantum satis</i>	
Semi-preserved fish products including fish roe products				2 000			
Salted, dried fish				200			
Shrimps, cooked				2 000			
<i>Crangon crangon</i> and <i>Crangon vulgaris</i> , cooked				6 000			
Cheese, pre-packed, sliced	1 000						
Processed cheese	1 000						
Processed cheese	2 000						
Layered cheese and cheese with added foodstuffs	1 000						
Non-heat-treated dairy-based desserts				300			
Curdled milk	1 000						
Liquid egg (white, yolk or whole egg)				5 000			
Dehydrated, concentrated, frozen and deep-frozen egg products	1 000						
Pre-packed sliced bread and rye-bread	2 000						
Partially baked, pre-packed bakery wares intended for retail sale	2 000						
Fine bakery wares with a water activity of more than 0,65	2 000						

Foodstuff	Maximum level (mg/kg or mg/l as appropriate)						95/2/EC
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + PHB	
Cereal- or potato-based snacks and coated nuts					1 000 (max. 300 PHB)		95/2/EC
Batters	2 000						
Confectionery (excluding chocolate)						1 500 (max. 300 PHB)	
Chewing gum				1 500			
Toppings (syrops for pancakes, flavoured syrups for milkshakes and ice cream; similar products)	1 000						
Fat emulsions (excluding butter) with a fat content of 60 % or more	1 000						
Fat emulsions with a fat content less than 60 %	2 000						
Emulsified sauces with a fat content of 60 % or more	1 000	500		1 000			98/72/EC
Emulsified sauces with a fat content less than 60 %	2 000	1 000		2 000			
Non-emulsified sauces				1 000			95/2/EC
Prepared salads				1 500			
Mustard				1 000			
Seasonings and condiments				1 000			
Liquid soups and broths (excluding canned)				500			
Aspic	1 000	500					
Liquid dietary food supplements						2 000	
Dietetic foods intended for special medical purposes excluding foods for infants and young children as referred to in Directive 89/398/EEC ⁽¹⁾ — dietetic formulae for weight control intended to replace total daily food intake or an individual meal				1 500			
... <i>Mehu</i> and <i>Makeutettu</i> ... <i>Mehu</i>	500	200					98/72/EC

⁽¹⁾ OJ No L 186, 30. 6. 1989, p. 27.

Foodstuff	Maximum level (mg/kg or mg/l as appropriate)						95/2/EC
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + PHB	
Analogues of meat, fish, crustaceans and cephalopods and cheese based on protein	2 000						98/72/EC
<i>Dulce de membrillo</i>		1 000					
<i>Marmelada</i>				1 500			
<i>Ostkaka</i>	2 000						
<i>Pasha</i>	1 000						
<i>Semmelknödelteig</i>	2 000						
Cheese and cheese analogues (surface treatment only)	<i>quantum satis</i>						
Cooked red beet		2 000					
Collagen-based casings with a water activity greater than 0,6	<i>quantum satis</i>						

PART B
Sulphur dioxide and sulphites

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E No	Name
E 220	Sulphur dioxide
E 221	Sodium sulphite
E 222	Sodium hydrogen sulphite
E 223	Sodium metabisulphite
E 224	Potassium metabisulphite
E 226	Calcium sulphite
E 227	Calcium hydrogen sulphite
E 228	Potassium hydrogen sulphite

Note

- Maximum levels are expressed as SO₂ in mg/kg or mg/l as appropriate and relate to the total quantity, available from all sources.
- An SO₂ content of not more than 10 mg/kg or 10 mg/l is not considered to be present.

Foodstuff	Maximum level (mg/kg or mg/l as appropriate). Expressed as SO ₂
<i>Burger meat</i> with a minimum vegetable and/or cereal content of 4 %	450
<i>Breakfast sausages</i>	450
<i>Longaniza fresca</i> and <i>butifarra fresca</i>	450
Dried salted fish of the 'Gadidae' species	200
Crustaceans and cephalopods:	
— fresh, frozen and deep-frozen	150 ⁽¹⁾
— crustaceans, <i>panaeidae</i> , <i>solenceridae</i> , <i>aristeidae</i> family:	
— up to 80 units	150 ⁽¹⁾
— between 80 and 120 units	200 ⁽¹⁾
— over 120 units	300 ⁽¹⁾
— cooked	50 ⁽¹⁾
Dry biscuit	50
Starches (excluding starches for weaning foods, follow-on formulae and infant formulae)	50
Sago	30
Pearl barley	30
<u>Dehydrated potatoes</u>	400
Cereal- and potato-based snacks	50
Peeled potatoes	50

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⁽¹⁾ In edible parts.

Foodstuff	Maximum level (mg/kg or mg/l as appropriate). Expressed as SO ₂	95/2/EC
Processed potatoes (including frozen and deep-frozen potatoes)	100	
Potato dough	100	
White vegetables, dried	400	
White vegetables, processed (including frozen and deep-frozen white vegetables)	50	
Dried ginger	150	
Dried tomatoes	200	
Horseradish pulp	800	
Onion, garlic and shallot pulp	300	
Vegetables and fruits in vinegar, oil or brine (except olives and golden peppers in brine)	100	
Golden peppers in brine	500	
Processed mushrooms (including frozen mushrooms)	50	
Dried mushrooms	100	
Dried fruits		
— apricots, peaches, grapes, prunes and figs	2 000	
— bananas	1 000	
— apples and pears	600	
— other (including nuts in shell)	500	
Dried coconut	50	
Candied, crystallized or glacé fruit, vegetables, angelica and citrus peel	100	
Jam, jelly and marmalade as defined in Directive 79/693/EEC (except extra jam and extra jelly) and other similar fruit spreads including low-calorie products	50	
<i>Jams, jellies and marmelades</i> made with sulphited fruit	100	
Fruit-based pie fillings	100	
Citrus-juice-based seasonings	200	
Concentrated grape juice for home wine-making	2 000	
<i>Mostarda di frutta</i>	100	
Jellying fruit extract, liquid pectin for sale to the final consumer	800	
Bottled whiteheart cherries, rehydrated dried fruit and lychees	100	
Bottled, sliced lemon	250	
Sugars as defined in Directive 73/437/EEC except glucose syrup, whether or not dehydrated	10	98/72/EC
Glucose syrup, whether or not dehydrated	20	95/2/EC

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Foodstuff	Maximum level (mg/kg or mg/l as appropriate). Expressed as SO ₂
Treacle and molasses	70
Other sugars	40
Toppings (syrops for pancakes, flavoured syrups for milkshakes and ice cream; similar products)	40
Orange, grapefruit, apple and pineapple juice for bulk dispensing in catering establishments	50
Lime and lemon juice	350
Concentrates based on fruit juice and containing not less than 2,5 % barley (<i>barley water</i>)	350
Other concentrates based on fruit juice or comminuted fruit; <i>Capilé groselha</i>	250
Non-alcoholic flavoured drinks containing fruit juice	20 (carry-over from concentrates only)
	50
Grape juice, unfermented, for sacramental use	70
Glucose-syrup-based confectionery	50 (carry-over from the glucose syrup only)
Beer including low-alcohol and alcohol-free beer	20
Beer with a second fermentation in the cask	50
Wines	in accordance with Regulations (EEC) No 822/87, (EEC) No 4252/88, (EEC) No 2332/92 and (EEC) No 1873/84 and their implementing regulations; (<i>pro memoria</i>) in accordance with Regulation (EEC) No 1873/84 authorizing the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No 337/79.
Alcohol-free wine	200
<i>Made wine</i>	260
Cider, perry, fruit wine, sparkling fruit wine (including alcohol-free products)	200
Mead	200
Fermentation vinegar	170
Mustard, excluding Dijon mustard	250
Dijon mustard	500

Foodstuff	Maximum level (mg/kg or mg/l as appropriate). Expressed as SO ₂	95/2/EC
Gelatin	50	
Vegetable- and cereal-protein-based meat, fish and crustacean analogues	200	
Analogues of meat, fish and crustaceans based on protein	200	98/72/EC
Marinated nuts	50	
Vacuum packed sweetcorn	100	
Distilled alcoholic beverages containing whole pears	50	

PART C
Other preservatives

E No	Name	Foodstuff	Maximum level	
E 230	Biphenyl, diphenyl	Surface treatment of citrus fruits	70 mg/kg	
E 231 E 232	Orthophenyl phenol Sodium orthophenyl phenol	Surface treatment of citrus fruits	12 mg/kg individually or in combination expressed as orthophenyl phenol	
—				98/72/EC – deleted
E 234	Nisin ⁽¹⁾	Semolina and tapioca puddings and similar products	3 mg/kg	95/2/EC
		Ripened cheese and processed cheese	12,5 mg/kg	
		<i>Clotted cream</i>	10 mg/kg	
		<i>Mascarpone</i>	10 mg/kg	98/72/EC
E 235	Natamycin	Surface treatment of: — hard, semi-hard and semi-soft cheese — dried, cured sausages	1 mg/dm ² surface (not present at a depth of 5 mm)	95/2/EC
E 239	Hexamethylene tetramine	<i>Provolone</i> cheese	25 mg/kg residual amount, expressed as formaldehyde	
E 242	Dimethyl dicarbonate	Non-alcoholic flavoured drinks Alcohol-free wine Liquid-tea concentrate	250 mg/l ingoing amount, residues not detectable	
E 284	Boric acid	Sturgeons' eggs (Caviar)	4 g/kg, expressed as boric acid	
E 285	Sodium tetraborate (borax)			

⁽¹⁾ This substance may be present naturally in certain cheeses as a result of fermentation processes.

E No	Name	Foodstuff	Indicative ingo- ing amount	Residual amount	95/2/EC
			mg/kg		
E 249	Potassium nitrite ⁽¹⁾	Non-heat-treated, cured, dried meat products	150 ⁽²⁾	50 ⁽³⁾	98/72/EC
E 250	Sodium nitrite ⁽¹⁾	Other cured meat products Canned meat products <i>Foie gras, foie gras entier, blocs de foie gras</i>	150 ⁽²⁾	100 ⁽³⁾	
		Cured bacon		175 ⁽³⁾	
E 251	Sodium nitrate	Cured meat products Canned meat products	300	250 ⁽⁴⁾	
		<i>Foie gras, foie gras entier, blocs de foie gras</i>		50 ⁽⁴⁾	
E 252	Potassium nitrate	Hard, semi-hard and semi-soft cheese Dairy-based cheese analogue		50 ⁽⁴⁾	95/2/EC
		Pickled herring and sprat		200 ⁽⁵⁾	98/72/EC
		<i>Foie gras, foie gras entier, blocs de foie gras</i>		50 ⁽⁴⁾	

⁽¹⁾ When labelled 'for food use', nitrite may only be sold in a mixture with salt or a salt substitute.

⁽²⁾ Expressed as NaNO₂.

⁽³⁾ Residual amount at point of sale to the final consumer, expressed as NaNO₂.

⁽⁴⁾ Expressed as NaNO₃.

⁽⁵⁾ Residual amount, nitrite formed from nitrate included, expressed as NaNO₂.

E No	Name	Foodstuff	Maximum level			
E 280	Propionic acid Sodium propionate Calcium propionate Potassium propionate (¹)	Pre-packed sliced bread and rye bread	3 000 mg/kg expressed as propionic acid	98/72/EC		
E 281						
E 282		Energy reduced bread Partially baked, pre-packed bread Pre-packed fine bakery wares (including flour confectionery) with a water activity of more than 0.65 Pre-packed Rolls, buns and <i>pitta</i>	2 000 mg/kg expressed as propionic acid			
E 283						
					<i>Christmas pudding</i> Pre-packed bread	1 000 mg/kg expressed as propionic acid
					Prepacked <i>pølsebrød, boller</i> and <i>dansk flutes</i>	2 000 mg/kg expressed as propionic acid
		Cheese and cheese analogues (surface treatment only)	<i>quantum satis</i>			
E 1105	Lysozyme	Ripened cheese	<i>quantum satis</i>	95/2/EC		

⁽¹⁾ Propionic acid and its salts may be present in certain fermented products resulting from the fermentation process following good manufacturing practice.

PART D

Other antioxidants

95/2/EC

Note

The * in the table refers to the proportionality rule: when combinations of gallates, BHA and BHT are used, the individual levels must be reduced proportionally.

E No	Name	Foodstuff	Maximum level (mg/kg)
E 310	Propyl gallate	Fats and oils for the professional manufacture of heat-treated foodstuffs	200* (gallates and BHA, individually or in combination)
E 311	Octyl gallate		
E 312	Dodecyl gallate		
E 320	Butylated hydroxyanisole (BHA)	Frying oil and frying fat, excluding olive pomace oil	100* (BHT)
E 321	Butylated hydroxytoluene (BHT)	Lard; fish oil; beef, poultry and sheep fat	both expressed on fat
		Cake mixes Cereal-based snack foods Milk powder for vending machines Dehydrated soups and broths Sauces Dehydrated meat Processed nuts Seasonings and condiments Pre-cooked cereals	200 (gallates and BHA, individually or in combination) expressed on fat
		<u>Dehydrated potatoes</u>	25 (gallates and BHA, individually or in combination)
		Chewing-gum Dietary supplements	400 (gallates, BHT and BHA, individually or in combination)
E 315	Erythorbic acid	Semi-preserved and preserved meat products	500 expressed as erythorbic acid
E 316	Sodium erythorbate		
		Preserved and semi-preserved fish products Frozen and deep-frozen fish with red skin	1 500 expressed as erythorbic acid

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